

IN THE CLAIMS

1. (currently amended) A communications system for providing wireless Internet signals to a group of mobile subscribers, comprising:

a distribution hub for receiving Internet signals for a plurality of subscribers from the Internet, and a plurality of video signals from a source, and transmitting the Internet and video signals over a wired cable TV plant;

a plurality of antenna nodes coupled to the distribution hub by the cable plant, each of the antenna nodes including a cable plant interface adapted to receive the Internet signals via the cable plant, and a multi-carrier modulator including an orthogonal frequency division multiplexer adapted to modulate the Internet signals onto multiple carriers and output orthogonal frequency division multiplexed (OFDM) signals for wireless transmission to the plurality of subscribers, and wherein at least some of the antenna nodes are configured to transmit the same signals at the same time on the same frequencies in overlapping coverage areas.

2. (cancelled)

3. (currently amended) A communications system according to claim [[2]] 1 wherein the Internet signals transmitted over the wired cable plant are QAM modulated signals placed on RF carrier frequencies falling substantially within the 50-750 MHz range.

4. (original) A communications system according to claim 3 wherein the OFDM symbols are modulated onto RF carrier frequencies falling substantially within the 2500 - 2700 MHz range.

5. (cancelled)

6. (original) A communications system according to claim 1 wherein the antenna nodes are configured to receive wireless signals from a plurality of subscribers and relay the subscriber signals over the cable plant to the distribution hub, the distribution hub being configured to receive the subscriber signals from the cable plant and transmit them to the Internet.